

U . S. DEPARTMENT OF TRANSPORTATION
HAZARDOUS MATERIALS SAFETY
HAZARDOUS MATERIALS INFORMATION SYSTEM
HAZMAT SUMMARY BY Cause FOR 2005

Cause	Incidents	INJURIES		Fatalities	Damages
		Hospitalized	Non-Hospitalized		
Abrasion	112	0	1	0	219,719
Broken Component or Device	222	22	10	0	610,850
Commodity Self-Ignition	7	0	0	0	798
Commodity Polymerization	3	0	0	0	21,030
Conveyer or Material Handling Equipment Mishap	93	0	1	0	118,705
Corrosion - Exterior	37	0	1	0	91,632
Corrosion - Interior	66	1	1	0	1,046,675
Defective Component or Device	932	2	18	4	620,288
Derailment	22	77	557	4	11,357,343
Deterioration or Aging	245	0	7	0	273,212
Dropped	1,989	40	13	0	200,697
Fire, Temperature, or Heat	24	7	7	8	3,812,212
Forklift Accident	1,300	0	5	0	497,235
Freezing	21	0	0	4	104,120
Human Error	1,479	5	20	12	4,118,395
Impact with Sharp or Protruding Object (e.g., nail)	981	1	9	8	1,430,850
Improper Preparation for Transportation	1,424	2	17	0	553,798
Inadequate Accident Damage Protection	16	0	0	0	96,500
Inadequate Blocking and Bracing	1,331	0	7	0	447,414
Inadequate Maintenance	9	0	0	0	5,650
Inadequate Preparation for Transportation	975	0	11	0	318,305
Inadequate Procedures	96	0	8	0	70,865
Inadequate Training	13	0	0	0	0
Incompatible Product	12	1	0	0	664,643
Incorrectly Sized Component or Device	14	0	0	0	41,644
Loose Closure, Component, or Device	1,866	0	16	0	428,496
Misaligned Material, Component, or Device	41	0	3	0	45,587
Missing Component or Device	55	0	0	0	82,241
Overfilled	226	0	0	0	587,599
Over-pressurized	113	3	4	0	47,777
Rollover Accident	121	2	6	20	13,326,129
Stub Sill Separation from Tank (Tank Cars)	3	0	0	0	2,503
Threads Worn or Cross Threaded	28	0	2	0	54,306
Too Much Weight on Package	570	2	3	0	152,024
Valve Open	311	0	1	0	36,422
Vandalism	5	0	0	0	5,086
Vehicular Crash or Accident Damage	110	0	17	12	6,692,426
Water Damage	28	0	0	0	60,000
Cause Not Reported	1,837	33	26	24	8,077,902
Total - 2005	16,737				

Note: Due to multiple causes being involved in a single incident, the totals above may not correspond to the totals in the other reports.